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Claim 5 (First amendment). [The] I claim the access system of claim 4 characterized by the addition of data manager means to allow user to access the program.

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~~Claim 6 (First amendment). [In] I claim a system having multiple programs transmitted in a compressed form on a transmission media[, the transmission media including]~~
~~together with program identification data, the system including means to access the program identification data and means to process the program identification data.~~

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~~Claim 7 (First amendment). [The] I claim the system of claim 6 characterized in that the multiple programs and program identification data are transmitted contemporaneously and by the addition of means to delay the programs to allow processing of the program identification data.~~

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~~Claim 8 (First amendment). [The] I claim the system of claim 6 characterized by the addition of data manager means to process the program identification data.~~

~~Claim 9 (First amendment). [The] I claim the access system of claim 6 characterized by the addition of data manager means to allow the user to access the programs.~~

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~~Claim 10 (First amendment). [An] I claim an improved system for programs transmitted in a compressed form on a transmission channel characterized by the addition of~~

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~~means to store the programs in their compressed form and means to selectively access and decompress the programs.~~

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Claim 11 (First amendment). [The] I claim the access system of claim 10 characterized in that said means to store the programs includes optical disks.

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Claim 12 (First amendment). [The] I claim the access system of claim 10 characterized in that said means to store the programs includes computer memory.

~~Claim 13 (First amendment). [The] I claim the access system of claim 10 characterized in that the programs are compressed in a MPEG form and means to selectively decompress said MPEG signals.~~

Claim 14 (First amendment). [In the] I claim an access system having a storage capability with a limited capacity, the improvement of means to store materials in the access system having a limited capacity, and overwrite means to automatically overwrite previously stored material based on determinable criteria developed from a known set of priorities.

Claim 15 (First amendment). [The] I claim the system of claim 14 characterized in that said overwrite means includes consideration of available storage.

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Claim 16 (First amendment). [The] I claim the system of claim 14 characterized in that said overwrite means includes consideration of the time of storage.

Claim 17 (First amendment). [The] I claim the system of claim 14 wherein there are multiple users having a priority and characterized in that said overwrite means includes consideration of the users priority.

Claim 18 (First amendment) [In] I claim an access system having a storage capability for accessible programs, the improvement of means to store accessible programs in the storage area and means to automatically allow access to previously utilized storage area once the program therein has been accessed.

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Claim 19 (First amendment). [In] I claim an access system having a storage capability for programs, the improvement of means to store programs in the storage area and means to allow access to previously utilized storage area upon occurrence of a certain event.

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Claim 20 (First amendment). [The] I claim the access system of claim 19 characterized in that said certain event is the [passage] arrival of a certain time.

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Claim 21 (First amendment). [In] I claim an access system having an ability to reproduce an accessible program(s) having a certain length, with a user requiring a different

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~~length, the improvement of means to select the accessible program from multiple programs and means to alter the certain length of the accessible program to a different length.~~

~~Claim 22 (First amendment). [The] I claim the access system of claim [22] 21 wherein the different length is determined by the user's interruption of access to the programs.~~

~~Claim 23 (First amendment). [The] I claim the access system of claim 22 characterized in that said accessible program would normally terminate at a certain time and characterized in that said means alters the different length so as to terminate at the same time as said certain time.~~

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~~Claim 24 (First amendment). [The] I claim the access system of claim 23 characterized in that said means is automatic.~~

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~~Claim 25 (First amendment). [An] I claim an access system for programs transmitted in multiples in compressed form across a transmission channel, said access system including means to select a particular program, means to record said program in a data storage media, and means to decompress said program.~~

~~Claim 26 (First amendment). [The] I claim the system of claim 25 characterized in that the multiple programs~~

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~~and program identification data are transmitted contemporaneously and by the addition of means to delay the programs to allow processing of the program identification data.~~

Claim 27 (First amendment). [The] I claim the system of claim 26 characterized by the addition of data manager means to process the program identification data.

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~~Claim 28 (First amendment). [In] I claim an access system having a storage area for programs, the improvement of means to record the programs in the storage area, and selective means to bypass the storage area so as to select real time reproduction while continuing to record programs in the storage area.~~

Claim 29 (First amendment). [In] I claim an access system having a decompression [decoder] circuit and [a] an artifact modifier circuit for programs, the improvement of means to pass programs through the decompression circuit, and means to [deactivate] selectively bypass the artifact modifier circuit.

Claim 30 (First amendment). [The] I claim the access system of claim 29 characterized in that the decompression decoder is a MPEG decoder.

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Claim 31 (First amendment). [The] I claim the access system of claim 29 characterized in that the artifact modifier circuit is a frequency converter means.

Claim 32 (First amendment). [The] I claim the access system of claim 29 characterized in that the artifact modifier circuit is deactivated by bypassing it.

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Claim 33 (First amendment). [In] I claim an access system having multiple channels of information, the improvement of a data manager and means of said data manager to control access to the information on the channels.

Claim 34 (First amendment). [The] I claim the access system of claim 33 characterized by the addition of a data storage for the channels of information.

Claim 35 (First amendment). [The] I claim the access system of claim 33 characterized by the addition of program information relative to the multiple channels of information and means for said data manager to utilize such program information.

Claim [34] 36 (First amendment). [The] I claim the access system of claim 33 characterized by the addition of other services and means for said data manager to access said other services.

Add new claims 37-41.

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Claim 37. I claim an improved access system for multiple programs transmitted in compressed form on a transmission channel, said access system including program information, means for recording multiple programs in a compressed format in one data storage medium, means to select a particular program, means to access said program information, and means to decompress said particular program.

Claim 38. I claim the access system of claim 37 characterized by the addition of data manager means to allow the user to access the program.

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Claim 39. I claim a system having multiple programs transmitted contemporaneously in a compressed form on a transmission media together with program identification data, the system including means to access the program identification data, means to delay the programs to allow processing of the program identification data, means to process the program identification data, and data manager means to process the program identification data and to allow the user to selectively access the programs.

Claim 40. I claim an improved system for programs transmitted in a compressed form on a transmission channel characterized by the addition of means to store the programs in their compressed form, said means to store the programs including optical disk, and means to selectively access and decompress the programs.